Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

HW#30H: Deductive Reasoning

Honors Geometry

Due Date: Wednesday, Nov. 5th, 2014

**Failure to write in complete sentences and show all work will result in LaSalle!**





Determine whether the students used Inductive Reasoning or Deductive Reasoning to arrive at the conclusion. Explain your reasoning.

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| --- | --- |
| 7) Nicole knows that all students in Ms. Yarrington’s 5th period have English homework tonight. Her friend Michael is in Ms. Yarrington’s 5th period. Therefore, Michael has English homework tonight. | 8) Isabel read one of the Twilight series books and it bored her. She concludes that all of the Twilight books are boring. |
| 9) Grant notices that the Footlocker by his house and the Footlocker by his school are having sales. He concludes that all Footlockers are having a sale currently. | 10) Sandra is convinced that all cartoons are for kids. She just heard from her friends about a new cartoon called “Phineas and Ferb” and she tells her friends, “That show is childish.” |

**Use the Law of Syllogism to write a statement (C) that would follow if statements (A) and (B) were true.**

|  |  |
| --- | --- |
| 11) (A) If you eat too much turkey, then you get sick.  (B) If you get sick, then you will not be able to go to school.  (C) | 12) (A) If an angle measure is more than 90, then it is not acute.  (B) If an angle is not acute, then it is obtuse.  (C) |
| 13) (A) Jim is taller than Christian.  (B) Christian is taller than Yvette.  (C) | 14) (A) If you pay attention, you will do well on your homework.  (B) If you pay attention, you will do well on your quiz.  (C) |

You will have a writing prompt on your quiz on Thursday. Yay! The writing prompt will use the same rubric as the one below, so this is your chance to practice and get feedback!

***Directions:*** Read the promt below. On a seperate piece of paper, respond to it in at least 5 sentences. Your response will be scored out of 10 points on the rubric.

***Determine whether the statement is true or false, provide an example.***

***If  is less than , then is acute.***

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** | **0** | **1** | **2** |
| **Thesis/Answer** | Thesis/Answer is incorrect. | Thesis/Answer is correct, but has small errors in wording and/or vocabulary. | Thesis is relevant, accurately stated and addresses the prompt. |
| **Defense** | Explanation does not answer the question as given. | Explanation attemps to answer the question, but is missing one or more correct pieces. | Explanation is completely correct. |
| **Vocabulary** | Vocabulary is used incorrectly or vocabulary terms unrelated to the prompt are used. | Vocabulary is used correctly in most places, but there are one or two errors in understanding. | All math vocabulary is used correctly and demonstrates knowledge in context. |
| **Grammar** | Explanation cannot be understood clearly after two readings. | Explanation requires two readings for the teacher to understand. | Explanation can be read and comprehended easily in one reading. |
| **Professionalism** | Explanation in incomplete. | Explanation is complete with minimum effort. | Explanation exceeds minimum effort or shows a great deal of thought and/or quality. |

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